

**IN THE SPECIFICATION:**

Page 1, line 1 insert:

**METHOD FOR PRODUCING DEFINED LAYERS OR LAYER SYSTEMS**

**BACKGROUND OF THE INVENTION**

**Field of the Invention**

**Cross Reference To Related Application**

This application is a Divisional of U.S. Application No. 09/763,588 filed February 22, 2001, which issued U.S. Patent 6,653,415 on November 25, 2003

Page 2, line 13 insert:

**Description of the Related Art**

Page 6, line 9 insert:

**SUMMARY OF THE INVENTION**

Page 7, line 26 insert:

**BRIEF DESCRIPTION OF THE DRAWINGS**

- Fig. 1 shows the <sup>1</sup>H-NMR-spectrum of compound (31).
- Fig. 2 shows the <sup>13</sup>C-NMR-spectrum of compound (31).
- Fig. 3 shows the <sup>1</sup>H-NMR-spectrum of compound (32).
- Fig. 4 shows the <sup>13</sup>C-NMR-spectrum of compound (32).
- Fig. 5 shows the <sup>1</sup>H-NMR-spectrum of compound (33).
- Fig. 6 shows the <sup>13</sup>C-NMR-spectrum of compound (33).
- Fig. 7 shows the <sup>1</sup>H-NMR-spectrum of compound (34).
- Fig. 8 shows the <sup>13</sup>C-NMR-spectrum of compound (34).
- Fig. 9 shows the FT-IR spectrum of initiator (35).
- Fig. 10 shows the FT-IR spectrum of initiator (36).
- Fig. 11 shows the FT-IR spectrum of compound (39).
- Fig. 12 shows the FT-IR spectrum of the silica gel with the initiator (35) bonded to the surface.
- Fig. 13 shows the FT-IR spectrum of the silica gel with the initiator (36) bonded to the surface of the silica gel.

- Fig. 14 shows the FT-IR spectrum of the glass beads with the initiator (36) bonded to the surface.
- Fig. 15 shows the FT-IR spectrum of the gold colloid with initiator (39) bonded to the surface.
- Figs. 16-18 show the diagram of the thermogravimetric analysis of the Samples 1-3.
- Fig. 19 shows the GPC-chromatogram of the poly(methylmethacrylate).
- Fig. 20 shows the DSC-curve of the poly(styrene) of first generation on the silica gel surface.
- Fig. 21 shows the FT-IR spectrum of the poly(styrene) of first generation on the silica gel surface.
- Fig. 22 shows the diagram of the thermogravimetric analysis of the poly(styrene) grafted silica gel.
- Fig. 23 shows the FT-IR spectrum of the poly(isoprene) coated silica gel.
- Fig. 24 shows the DSC-curve of the silica gel covered with poly(isoprene).
- Fig. 25 shows the FT-IR-Spectrum of the glass beads covered with poly(methylmethacrylate).
- Fig. 26 shows the DSC-curve of the poly(styrene) formed in first and second generation on the silica gel surface.
- Fig. 27 shows the FT-IR spectrum of the poly(styrene) forming the first and second generation on the silica gel surface.
- Fig. 28 shows the FT-IR-spectrum of the poly(styrene-block-p-tert.-butylstyrene) grafted to the silica gel.
- Fig. 29 shows the DSC-curve of the poly(styrene-block-p-tert.-butylstyrene) formed on the silica gel.
- Fig. 30 shows the GPC-chromatogram of the degrafted poly(styrene) of the first generation.

- Fig. 31 shows the GPC-chromatogram of the degrafted poly(styrene)..
- Fig. 32 shows the GPC-chromatogram of the cleaved poly(methylmethacrylate).
- Fig. 33 shows the GPC-chromatogram of the cleaved poly(styrene) of first and second generation.
- Fig. 34 shows the GPC-chromatogram of the cleaved poly(styrene-block-p-tert.-butylstyrene).

**DETAILED DESCRIPTION OF THE INVENTION**